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MONTHLY REPORT PARAMMATA LIGHT RAIL (PLR): ACOUSTIC ADVISOR

For Period:	01 - 30 June 2020
Prepared By:	Beau Weyers
Date of Issue:	6 July 2020
Reference:	5518_PRL-Monthly_AA_Report_June01to30_2020 V1
Authorisation:	

PJT - Project Wide, NP P1 - Enabling Works, HRW P2 - Hawkesbury Road Widening, C P3 - Camellia, INF P4 - Infrastructure, SOM P5 - Supply Maintain Operate. **CMR** - Alternate AA reviewer

Acoustic Advisor Activity

- Review and endorsement of:
 - P4 INF: CNVIS-A2_002 Rev3 A2E Preliminary Work (Barrack Lane Demolition added) (endorsed)
 - P4 INF: Noise and Vibration Monitoring E39 - January-March 2020
 - P1 NP: Noise and Vibration Monitoring March - May 2020 (endorsed)
 - P4 INF: MinorWorksApplication 1002 - CCTV SAMF Site (no noise or vibration concerns)
- Review and comments provided for:
 - P5 SOM: Construction Noise and Vibration Management Plan (Rev C3)
 - P5 SOM: Noise and Vibration Monitoring Plan (Rev D)
 - P4 INF: CNVIS - Construction Traffic, Project Wide
 - P4 INF: Consistency Assessment - James Ruse Drive Bridge
 - P4 INF: Environmental Review - Rosehill Business Park Access (PCPLR)
 - P4 INF: Emergency Works - North Parramatta, (Factory/Galloway) 4 June 2020
 - P4 INF: Monthly Environmental Monitoring Report (May)
 - P4 INF: MinorWorksApplication 1001 - Geotechnical Works
- Attendance at, and review of meeting minutes from DPIE and TfNSW (General Meeting, Executive, OOHV Working Group, IC Construction, Environmental Planning and Sustainability, ONVR Progress update workshop)
- Specific meetings with TfNSW and SOM regarding ONVR noise and vibration items.
- Review of noise and vibration monitoring records, and advice to contractors on presentation and collection of data (items and detail of importance).
 - P1 NP (Monthly reporting, March-May 2020)
 - P2 HRW: Cumberland Noise and Vibration Monitoring report (March), and triggered alarms.
 - P4 INF (Consultation Report, Jan - March 2020)





Inspections

- Fortnightly Inspection (#4) - 11th June 2020 (general advice, no followup actions required)
- Fortnightly Inspection (#5) - 23rd June 2020 (general advice, no followup actions required)
- OOH worksite inspection – evening/night of 18th June 2020
 - George Street, Parramatta Park Gatehouse kerb breaking activities
 - Heritage structure vibration monitoring methodology and adjustments observed by AA
- Review of ER inspection documentation

Non-compliance and incident details

- DPIE query regarding ER identification of inadequate noise monitoring for Cumberland Demolition during March. Identified that liaison with landusers completed throughout, and HNIW completed by the time concern raised. No subsequent triggers to complete monitoring occurred. Additionally AA attended site during April to observe current activities.
 - Initially closed by DPIE as at 4 June 2020.
 - Additional detail requested 17 June 2020 – response issued 24 June 2020

Noise and vibration complaints

- Various noise complaints received by Communication teams, one requiring further AA investigation:
 - Complaints identified for an address 500m from known construction activities – investigation underway.

Ongoing and upcoming environmental risks (noise and vibration)

- Kerb and footpath works at George Street Gatehouse (heritage structure) vibration management.
- Cumberland Hospital Bunya Facilities – high ground-borne noise predicted, AA to attend site and commence investigation to design advice.

Recommendations (incl auditing)

- SOM team to further investigate/validate the proposed criteria adopted for airborne noise.
- Contractors to ensure necessary noise barriers (hoarding, gates, blankets) are re-considered when shifting from day to night shift, or when activities (especially HNIW) move around the site.
- Inspections of Kissing Point road were not conclusive as to treatment options. Further investigation whether operational noise controls can be implemented during construction to be conducted by INF and SOM teams, additional AA inspection planned for early July.

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